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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

03/27/2008

STITES & HARBISON PLLC 1199 NORTH FAIRFAX STREET SUITE 900 ALEXANDRIA, VA 22314 EXAMINER

ANGADI, MAKI A

ART UNIT PAPER NUMBER

1792

APPLICATION NO.

FILING DATE

FIRST NAMED INVENTOR

ATTORNEY DOCKET NO.

CONFIRMATION NO.

09/856,358

05/22/2001

Takehiko Kezuka

P07223US00/L

DATE MAILED: 03/27/2008

6873

TITLE OF INVENTION: ETCHING SOLUTION, ETCHED ARTICLE AND METHOD FOR ETCHED ARTICLE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	06/27/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS; This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Feet	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying			
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	ARBISON PLLC		I her	reby certify that the	is Fee(s	s) Transmittal is being	deposited with the United t class mail in an envelope
SUITE 900	FAIRFAX STREET		addr	essed to the Mai	l Stop	ISSUE FEE address	above, or being facsimile atteindicated below.
ALEXANDRIA	, VA 22314		trans	similed to the OSF	10 (37.	1) 273-2883, Oil the da	(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
09/856,358	05/22/2001	I	Takehiko Kezuka		F	P07223US00/L	6873
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	•	\$1440	06/27/2008
EXAM	MINER	ART UNIT	CLASS-SUBCLASS				
ANGADI	, MAKI A	1792	216-103000	•			
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	ondence address (or Cha	nge of Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,				
Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to				
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PLEASE NOTE: Un	less an assignee is ident	ified below, no assignee	data will appear on the pa	atent. If an assign	ee is id	entified below, the do	ocument has been filed for
(A) NAME OF ASSI	•	pletion of this form is NO	T a substitute for filing an (B) RESIDENCE: (CITY		TOUNT	RV)	
(A) WHILL OF TISSI	GNEL		(b) RESIDENCE. (CIT I	and STATE OR	200111	K1)	
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent): \Box	Individual 🖵 C	orporati	on or other private gro	oup entity 🚨 Government
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☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
Advance Order -	# of Copies		overpayment, to Depo	sit Account Numb	er	(enclose a	n extra copy of this form).
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••	ns SMALL ENTITY state		b. Applicant is no long				FR 1.27(g)(2). le assignee or other party in
interest as shown by the	records of the United Sta	tes Patent and Trademark	Office.	не аррисант, а гед.	istered a	uttorney or agent, or th	e assignee of other party in
Authorized Signature				Date			
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This collection of inform	nation is required by 37 (FR 1 311. The information	on is required to obtain or r	etain a benefit by t	he nubl	ic which is to file (and	hv the USPTO to process)
an application. Confident submitting the complete	ntiality is gôverned by 35 d application form to the	U.S.C. 122 and 37 CFR USPTO. Time will vary	1.14. This collection is est depending upon the indiv	imated to take 12 i idual case. Any co	minutes omment	to complete, including on the amount of tire	g gathering, preparing, and ne you require to complete artment of Commerce, P.O.
Box 1450, Alexandria, V	/irginia 22313-1450. DC	rden, should be sent to tȟ DNOT SEND FEES OR (e Chief Information Office COMPLETED FORMS TO	r, U.S. Patent and THIS ADDRESS	Traden S. SENI	nark Office, U.S. Depa O TO: Commissioner f	artment of Commerce, P.O. for Patents, P.O. Box 1450,
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09/856,358	05/22/2001	Takehiko Kezuka	P07223US00/L	6873
881 75	590 03/27/2008		EXAM	INER
STITES & HAR	BISON PLLC	ANGADI, MAKI A		
1199 NORTH FAIRFAX STREET			ART UNIT	PAPER NUMBER
SUITE 900 ALEXANDRIA, VA 22314			1792 DATE MAILED: 03/27/200	8

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No.	Applicant(s)
09/856,358	KEZUKA ET AL.
Examiner	Art Unit
MAKI A. ANGADI	1792
	correspondence address eplication. If not included in will be mailed in due course. THIS to withdrawal from issue at the initiative
der 35 U.S.C. § 119(a)-(d) or (f). been received. been received in Application No uments have been received in this	 national stage application from the
of this communication to file a reply ENT of this application. Ited. Note the attached EXAMINER is reason(s) why the oath or declarate be submitted. Item on the comment of the comment	2'S AMENDMENT or NOTICE OF ation is deficient. -948) attached Office action of ngs in the front (not the back) of (d). must be submitted. Note the
5.	Patent Application (PTO-413), Ite ment/Comment ent of Reasons for Allowance
	MAKI A. ANGADI Ars on the cover sheet with the coordinate communication of the appropriate communication of the appropriate communication of the appropriate communication of the application is subject to and MPEP 1308. This application is subject to and MPEP 1308. The application is subject to application is subject to and MPEP 1308. The application is application is application is subject to and MPEP 1308. The application is application is application is subject to application is application is application is application is application is application in the application is application in the application is application in the application in the application is application in the application



Application No.

Application/Control Number: 09/856,358 Page 2

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Allowable Subject Matter

1. Claims 1-2 and 5-10 allowed.

independent claim 1.

2. The following is an examiner's statement of reasons for allowance: The closest prior art of Schwabe (US Patent No. 3,977,925) fails to disclose or suggest an etching solution consisting essentially of: "at least one member selected from the group consisting of an organic acid, an inorganic acid having a pKa at 25°C of about 2 and an organic solvent having a hetero atom whose content ranges from 70 to 99.9% by weight" as defined in applicants'

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Attorney Aaron Schulman on 2/15/2008 and confirmed on 2/18/2008.

Claims 15 and 16 are cancelled

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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4. Any inquiry concerning this communication or earlier communications from

the examiner should be directed to MAKI A. ANGADI whose telephone number is

(571)272-8213. The examiner can normally be reached on 8 AM to 4.30 PM.

5. If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Nadine G. Norton can be reached on 571-272-1465. The

fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

6. Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free). If you would like assistance from a USPTO Customer Service

Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000.

/M. A. A./

Examiner, Art Unit 1792

/Binh X Tran/

Primary Examiner, Art Unit 1792